

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2002094348 A

(43) Date of publication of application: 29.03.2002

(51) Int. Cl H03H 7/09
H02M 1/14

(21) Application number: 2000278011

(22) Date of filing: 13.09.2000

(71) Applicant: SOSHIN ELECTRIC CO LTD

(72) Inventor: KOBAYASHI MASAHIRO
TAKAMIZAWA AKIRA
ISHIYAMA YOSHIKATSU

(54) DC LINE FILTER

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a DC line filter that has backup function with which output voltage to the next stage will not drop momentarily, even when an output voltage of an AC/DC converter is decreased.

SOLUTION: X and Y capacitors are provided to one end of a common mode choke coil and a static capacitance of an X capacitor provided to the other end to satisfy a prescribed time constant, with respect to the input resistance of a load unit is selected in a range of 100 μ F-470 mF. Furthermore, an electrolytic capac-

itor with a diode, connected in parallel therewith and a fuse connected in series therewith, is employed for the X capacitor and configures the DC line filter further provided with a discharge resistor.

COPYRIGHT: (C)2002,JPO

